



PB513

G999 – 3726 – 3PB5101 – Hazardous Substances Engineer

G999 – 3725 – 3PB5102 – Senior Hazardous Substances Engineer

Department(s):	Department of Toxic Substances Control
Opening Date:	12/23/13
Final Filing Date:	Continuous
Type of Examination:	Departmental Open
Salary:	Monthly Ranged Salary HSE \$4608 - \$8630 SenHSE \$6856 - \$10159
Tenure/Time-base:	Permanent Full-time Permanent Part-time Permanent Intermittent Limited Term Full-time Limited Term Part-time Limited Term Intermittent

EEO

An equal opportunity employer to all regardless of race, color, religion, sex, gender identity or expression, national origin, age, ancestry, disability, marital status, political affiliation, sexual orientation, or genetic information.

DRUG-FREE STATEMENT

It is an objective of the State of California to achieve a drug-free State work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

WHO SHOULD APPLY?

Applicants who meet the Minimum Qualifications as stated on this bulletin may apply for and take this Training and Experience Evaluation at any time.

Once you have taken the Training and Experience Evaluation, you may not retake it for twelve (12) months.

FILING INSTRUCTIONS

Final Filing Date: Continuous

Where to Apply: Click the link at the bottom of this bulletin.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special assistance or special testing arrangements, contact the California Department of Human Resources (CalHR), Examination Services at (866) 844-8671, or via the California Relay Service for the Deaf or Hard of Hearing at (800) 735-2929 from TTY Phones and (800) 735-2922 from voice phones.

ELIGIBLE LIST INFORMATION

An open, merged eligible list will be established by the California Department of Human Resources for use by the Department of Toxic Substances Control. The names of successful competitors will be merged onto the eligible list in order of final score regardless of test date. Eligibility expires twelve (12) months after it is established. Competitors must then retake the Training and Experience Evaluation to reestablish eligibility.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

NOTE: All applicants must meet the education and/or experience requirements as stated on this examination bulletin as of the date the test is taken.

MINIMUM QUALIFICATIONS

Minimum Qualifications

All Levels:

Education: Equivalent to graduation from college with a Bachelor of Science Degree with major work in Civil, Chemical, Environmental, Mechanical, or Waste Management Engineering from a college accredited by the Engineers' Council for Professional Development for training in engineering or equivalent degree approved by the Council for Private Postsecondary and Vocational Education under the provisions of California Education Code Chapter 3, Part 59, Division 10.

(Registration as a Senior in a recognized institution will admit applicants to the examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.)

(Additional qualifying experience may be substituted for the required education on a year-for-year basis up to a maximum of two years. When substituting experience for education, qualifying education must include a minimum of 60 semester units in the engineering subjects noted above from an accredited college or equivalent units from an institution approved by the Council for Private Postsecondary and Vocational Education under the provisions of California Education Code Chapter 3, Part 59, Division 10.)

(For Senior Hazardous Substances Engineer and above, possession of an engineering Master's Degree in Civil, Chemical, Environmental, Mechanical, or Waste Management Engineering or a directly related engineering field from a recognized college or university may be substituted for one year of the general experience requirement; an engineering Doctoral Degree in Civil, Chemical, Environmental, Mechanical, or Waste Management or a directly related engineering field from a recognized college or university may be substituted for two years of the general experience requirement.)

(Possession of a valid certificate as an engineer-in-training as issued by the California State Board of Registration for Professional Engineers may be substituted for the required education.)

Senior Hazardous Substances Engineer

EITHER I

Experience: Four years of experience in the California state service performing hazardous substances management duties at a level of responsibility not less than a Hazardous Substances Engineer, Range C.

OR II

Experience: Two years of experience in the California state service performing the duties of a Hazardous Substances Engineer, Range D.

OR III

Experience: Six years of increasingly responsible professional experience in hazardous substances management or process control engineering, which shall have been comparable in type and level to that of a Hazardous Substances Engineer, Range C, in the California state service.

POSITION DESCRIPTION

Hazardous Substances Engineer

This is the entry, working, and journey level in the series. Under close supervision, incumbents assigned to Range A perform less difficult engineering work of the Department. Incumbents will advance to Range B as competence and performance increase. Range C is the working and journey level of the series. Incumbents will advance to Range D when they acquire the professional engineering registration. Under supervision, incumbents perform average to difficult engineering work in connection with hazardous waste management engineering, pollution reduction technology development, and resource recovery. Incumbents may act as project managers on the least to more complex projects or be assigned staff specialist responsibilities in support of project managers or other technical or programmatic functions. This level may also act as mentor to new staff and may be used in a lead capacity over other Hazardous Substances Engineers or other professional or technical employees.

Senior Hazardous Substances Engineer

This is the staff specialist level of the series responsible for independently performing the most complex and difficult engineering workload which is demonstrably above the journey level in Headquarters and regional settings. Incumbents may report to Supervising Hazardous Substances Engineers II or higher supervisory and management levels within DTSC. Incumbents may act as project managers on the most difficult or complex projects; review technical work products of lower-level staff; act as mentor to new staff and as technical and program consultants to all levels of the Department and external entities or individuals. Incumbents may act as lead persons in line program units, or on assigned projects, studies, or task forces. Incumbents may also be assigned statewide responsibility for the development of engineering protocol, research studies, and related programs; participate in or be assigned responsibility for making policy recommendations, strategic planning, regulation, and legislation development in major program areas requiring engineering expertise above the full journey level.

EXAMINATION INFORMATION

TRAINING AND EXPERIENCE EVALUATION – Weighted 100%

The examination will consist solely of a Training and Experience Evaluation. To obtain a position on the eligible list, a minimum score of 70% must be received. An applicant will receive his/her score upon completion of the Training and Experience Evaluation process.

[Click here to preview the Training and Experience Evaluation.](#)

KNOWLEDGE AND ABILITIES

Statements pertaining to both Hazardous Substances Engineer and Senior Hazardous Substances Engineer Classifications

Knowledge of:

- Hazardous substances management and/or public health engineering principles and practices
- Treatment and disposal methods of hazardous waste
- Programs for resource recovery
- Hazardous substances management facilities engineering design, construction, and operation processes
- Hazardous substances disposal systems and resource recovery processes
- Public health and hazardous substances management engineering principles, practices, and administrative procedures
- State laws pertaining to public health and hazardous substances management engineering in California
- Hazardous substances management facilities design and construction.

Ability to:

- Review, check, and interpret hazardous substances management engineering plans, estimates, and specifications
- Evaluate findings and make recommendations for the elimination or control of unsanitary or hazardous conditions
- Establish and maintain cooperative relationships with those contacted in the course of work
- Communicate effectively
- Analyze situations accurately and adopt an effective course of action

- Interpret laws, rules, and regulations pertaining to public health and hazardous substances management engineering in California.

Additional statements pertaining only to the Senior Hazardous Substances Engineer Classification

Knowledge of:

- The major Department of Toxic Substances Control program areas
- State and Federal regulations such as CEQA, RCRA, CERCLA, CAA, CWA, and the TSCA
- Project management methods and techniques
- Hazardous substances disposal systems, detoxification, and purification processes
- Resource recovery processes and hazardous substances management programs.

Ability to:

- Interpret and apply State and Federal regulations
- Prepare project plans
- Review, check, and interpret major hazardous substances management engineering plans, engineering elements of hazardous waste permit applications, facility closure and site cleanup plans, and estimates and specifications.

VETERANS' PREFERENCE POINTS

Veterans' Preference Points will be added to the final score of all competitors who are successful in this examination, and who qualify for, and have requested, these points through the California Department of Human Resources. Due to changes in the law, effective January 1, 1996, veterans who have achieved permanent civil service status are not eligible to receive Veterans' Preference Points.

CAREER CREDITS

Career Credits **will not** be added to the final score for this exam, because it does not meet the requirements to qualify for Career Credits.

CONTACT INFORMATION

If you have any questions concerning this examination bulletin, please contact:

California Department of Human Resources
Attn: Examination Services
1515 S Street
Sacramento, CA 95811

Phone: 1-866-844-8671
California Relay Service: 1-800-735-2929 (TTY), 1-800-735-2922 (Voice)

TTY is a Telecommunications Device for the Deaf, and is reachable only from phones equipped with a TTY Device.

GENERAL INFORMATION

Applications are available at www.jobs.ca.gov and local offices of the Employment Development Department.

If you meet the requirements stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be rated against a predetermined job-related rating, and all candidates who pass will be ranked according to their scores.

The California Department of Human Resources reserves the right to revise the examination plan to

better meet the needs of the service, should the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules, and all competitors will be notified.

Candidates needing special testing arrangements due to a disability must mark the appropriate box on the application and contact the testing department.

Hiring Interview Scope: In a hiring interview, in addition to the scope described in this bulletin, the panel will consider education, experience, personal development, personal traits, and fitness. In appraising experience, more weight may be given to the breadth and recency of pertinent experience, and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of his/her recognition of his/her own training needs; his/her plans for self-development; and the progress he/she has made in his/her efforts toward self-development. For more information, you may refer to the classification specification [here](#).

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history, and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

Veterans' Preference Points: California Law (Government Code 18971-18978) allows the granting of Veterans' Preference Points in open entrance and open, non-promotional entrance examinations. Veterans' Preference Points will be added to the final score of all competitors who are successful in these types of examinations, and who qualify for, and have requested by mail, these points. **In open (only)** entrance examinations, Veterans' Preference Points are granted as follows: 10 points for veterans, widows and widowers of veterans, and spouses of 100% disabled veterans (5 points for widows, widowers, and spouses if the veteran was in the National Guard); and 15 points for disabled veterans. **In open, non-promotional** entrance examinations, Veterans' Preference Points are granted as follows: 10 points for veterans, and 15 points for disabled veterans. Employees who have achieved permanent State civil service status are not eligible to receive Veterans' Preference Points. "Permanent State civil service status" means the status of an employee who is lawfully retained in his/her position after completion of the applicable probationary period. This includes permanent intermittent, part-time, and full-time appointments. In addition, individuals who at any time achieved permanent State civil service status and subsequently resigned, or were dismissed from State civil service are not eligible to receive Veterans' Preference Points. Veteran status is verified by the California Department of Human Resources (CalHR). Directions to apply for Veterans' Preference Points are on the Veterans' Preference Application (Std. Form 1093), which is available at <http://jobs.ca.gov/Job/VeteransInformation>, and the Department of Veterans Affairs.

TAKING THE EXAM

When you click the link below, you will be directed to the Training and Experience Evaluation. At the end of the Training and Experience Evaluation, it will be instantly scored.

[Click here to go to the Training and Experience Evaluation.](#)